

**Optoelectronic device with wavelength filtering by cavity coupling**

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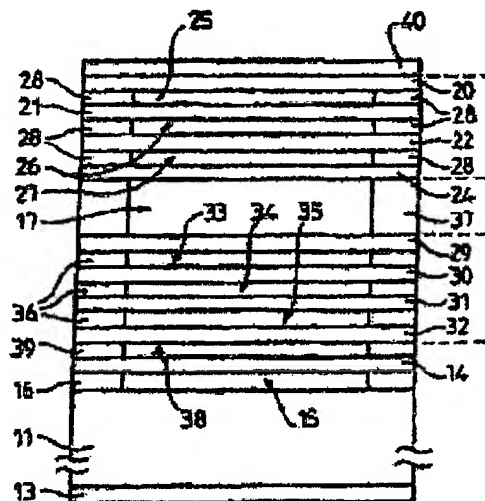
WO0206:  
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**Abstract of FR2820513**

The invention concerns an optoelectronic device comprising first means (12, 13) defining a first thick resonant cavity (11) having a multiple transmission resonant modes, second means (18, 19, 37) defining a second thin resonant cavity (17) having one transmission resonant mode, means (38, 39) for optically coupling the first and second means, and electrostatic means designed to apply to the second means (18, 19, 37) an electric voltage selected to vary the thickness of the second cavity (17) and the spectral position of its resonant mode, such that it coincides with one of the resonant modes of the first cavity (11).



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